

Custodial, Labor and Trades Branch  
Maintenance and Plant Operation Group  
Water Plant Series

**WATER PLANT OPERATOR III**

03/90

**CHARACTERISTICS OF THE CLASS:**

Under general supervision, on assigned shift, supervises and coordinates the activities of crews engaged in the operation of a water treatment plant; performs related duties as required.

**EXAMPLES OF DUTIES:**

Monitors and controls water treatment activities through various stages of treatment; performs tests to insure proper treatment; checks water for turbidity, odors, alkalinity, chlorine residual, and other requirements; monitors and calculates production figures; monitors and calculates chemical dosages; observes meters, gauges, and other instruments to insure proper plant operation.

Inspects equipment such as pumps, motors, aerators, chlorinators, chlorine dioxide generators, and multiple chemical feeders to prevent malfunctions; coordinates plant equipment preventive maintenance programs.

Maintains inventory and requisitions supplies and equipment; prepares and maintains logs on production figures, gauge readings and other related records and reports.

Plans, assigns, supervises, reviews and evaluates the work of assigned personnel; trains and develops subordinate personnel; enforces personnel rules and regulations, standards of conduct and work attendance; compiles with and enforces safe working practices and procedures.

**MINIMUM QUALIFICATIONS:**

Training and Experience: Graduation from high school or G.E.D. and four years experience in water treatment plant operations, including two years experience as a Water Plant Operator II; or an equivalent combination of training and experience.

Knowledge, Abilities and Skills: Considerable knowledge of the operation, maintenance and equipment used in a water treatment plant; considerable knowledge of surface water treatment; considerable knowledge of safe working practices and procedures; considerable knowledge of the use and care of common hand tools; good knowledge of chemistry as it pertains to surface water treatment; good knowledge of the operation of a forty MGD water treatment plant; some knowledge of local, state and federal rules and regulations governing water plant processes.

Ability to plan, assign, supervise, train, review and evaluate the work of assigned personnel; ability to enforce personnel rules and regulations, standards of conduct and work attendance; ability to perform numerous lab tests with varying degrees of difficulty and to apply results to plant operations; ability to work with and properly handle hazardous materials; ability to express oneself clearly and concisely, both orally and in writing; ability to make sound decisions under stress; ability to establish and maintain effective working relationships with fellow employees; ability to maintain logs and records and prepare reports.

Skill in the use and care of common hand tools; skill in the operation of a motor vehicle.

Physical Requirements: Lift and carry heavy objects (50 - 75 pounds); mobility within a water treatment plant environment; climb ladders to access equipment; exposure to all weather conditions; exposure to water plant chemicals; performs shift work; operate a motor vehicle through City traffic.

License and Certificates: Texas Class "C" Driver's License; Texas "C" Certificate of Competency in Surface Water.

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Director of Personnel

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Department Head